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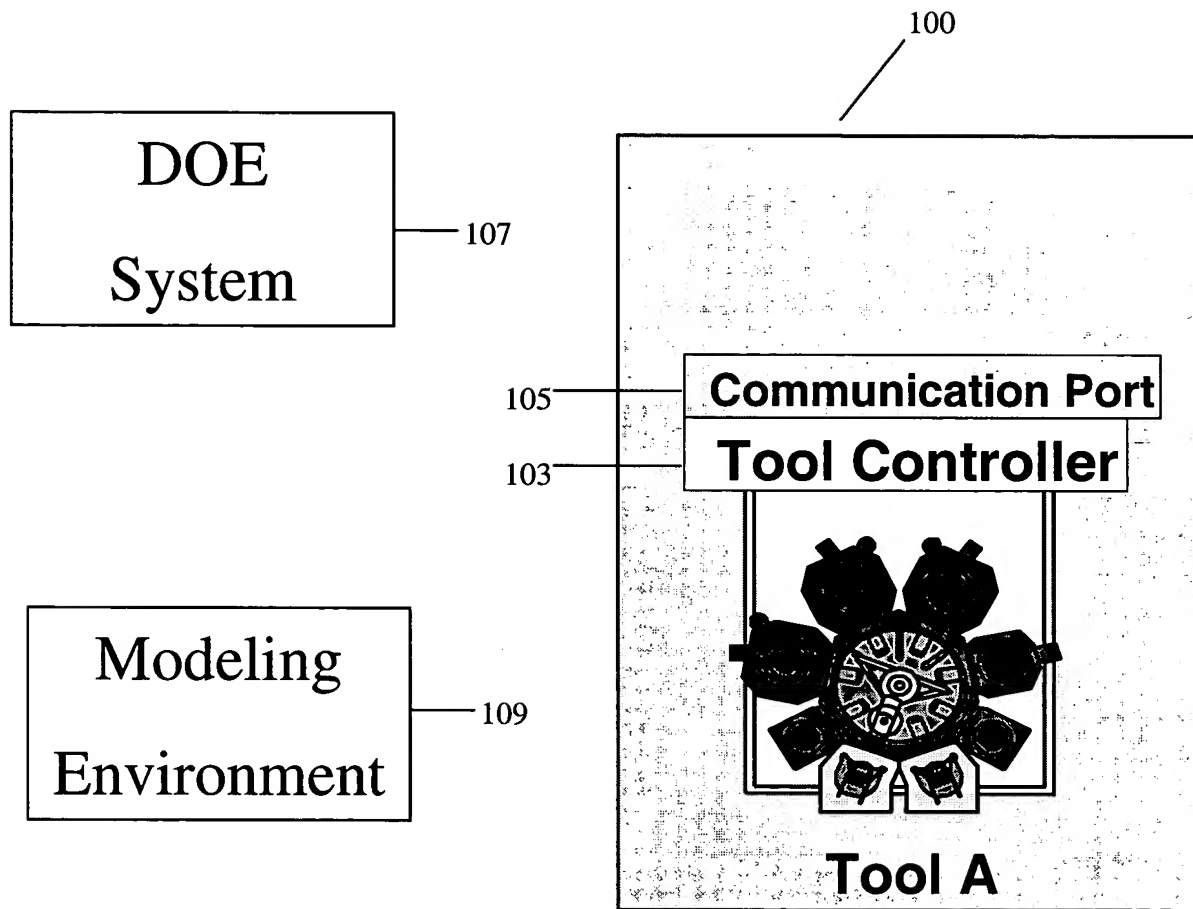


FIG. 1

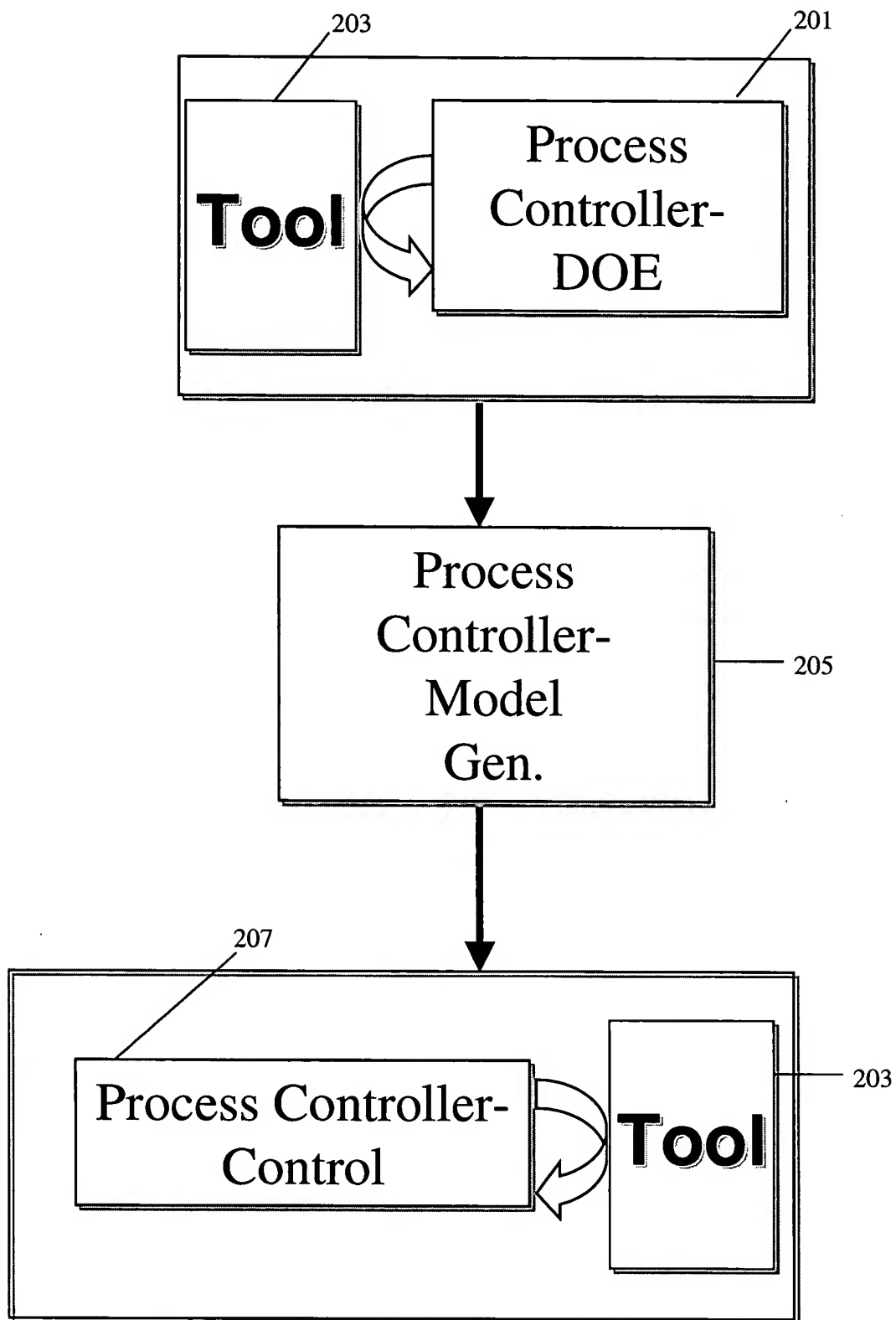


FIG. 2

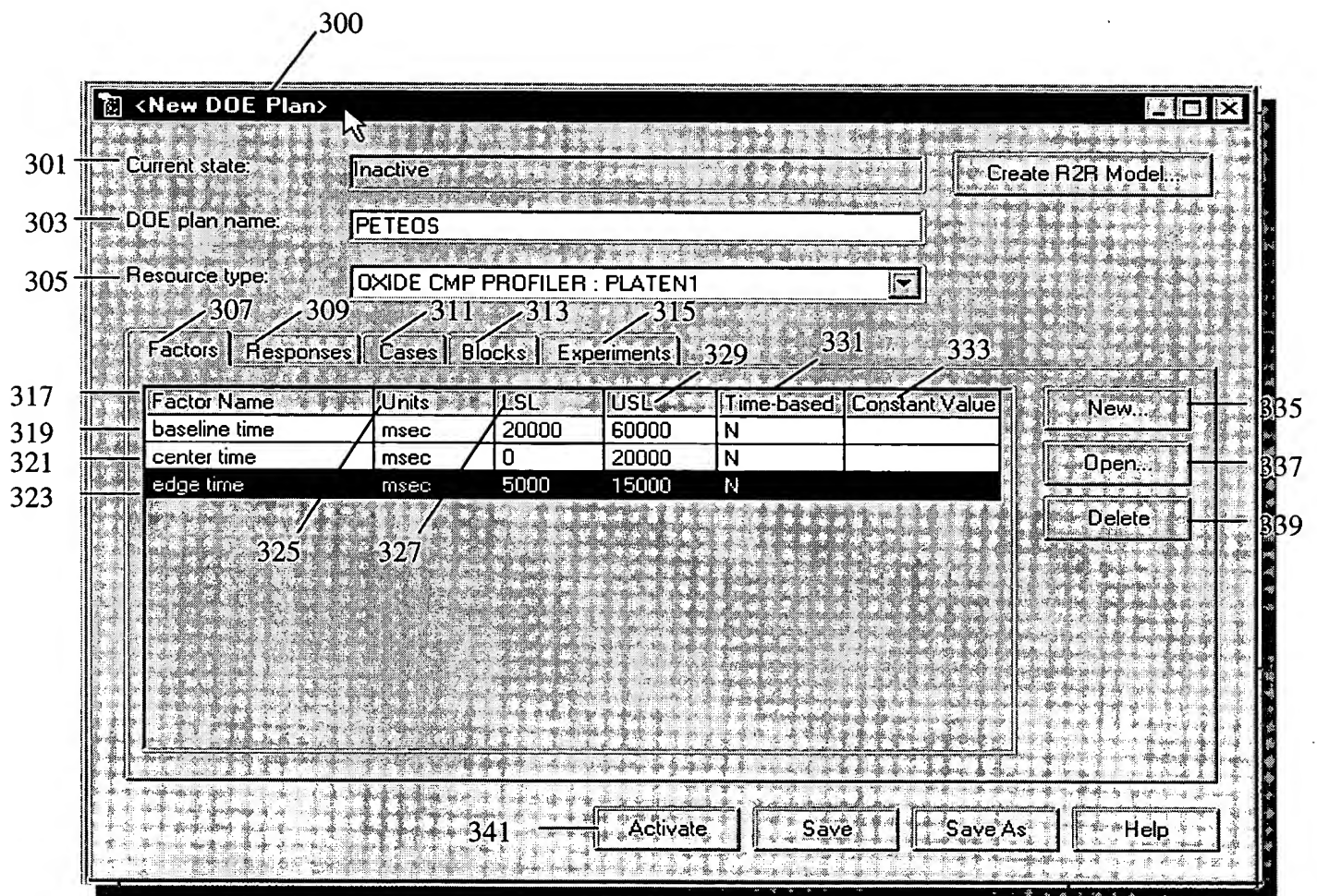


FIG. 3

<New DOE Plan>

Current state: Inactive Create R2R Model...

DOE plan name: PETEOS

Resource type: OXIDE CMP PROFILER : PLATEN1

309

Factors Responses Cases Blocks Experiments

Response Name	Units	LSL	USL	Type	Default Value
Thickness	Angstromm	2000	6000	Raw Data Par.	4000
pad life	hrs	0	40	Measured Vari	

New...
Open...
Delete

Activate Save Save As Help

FIG. 4

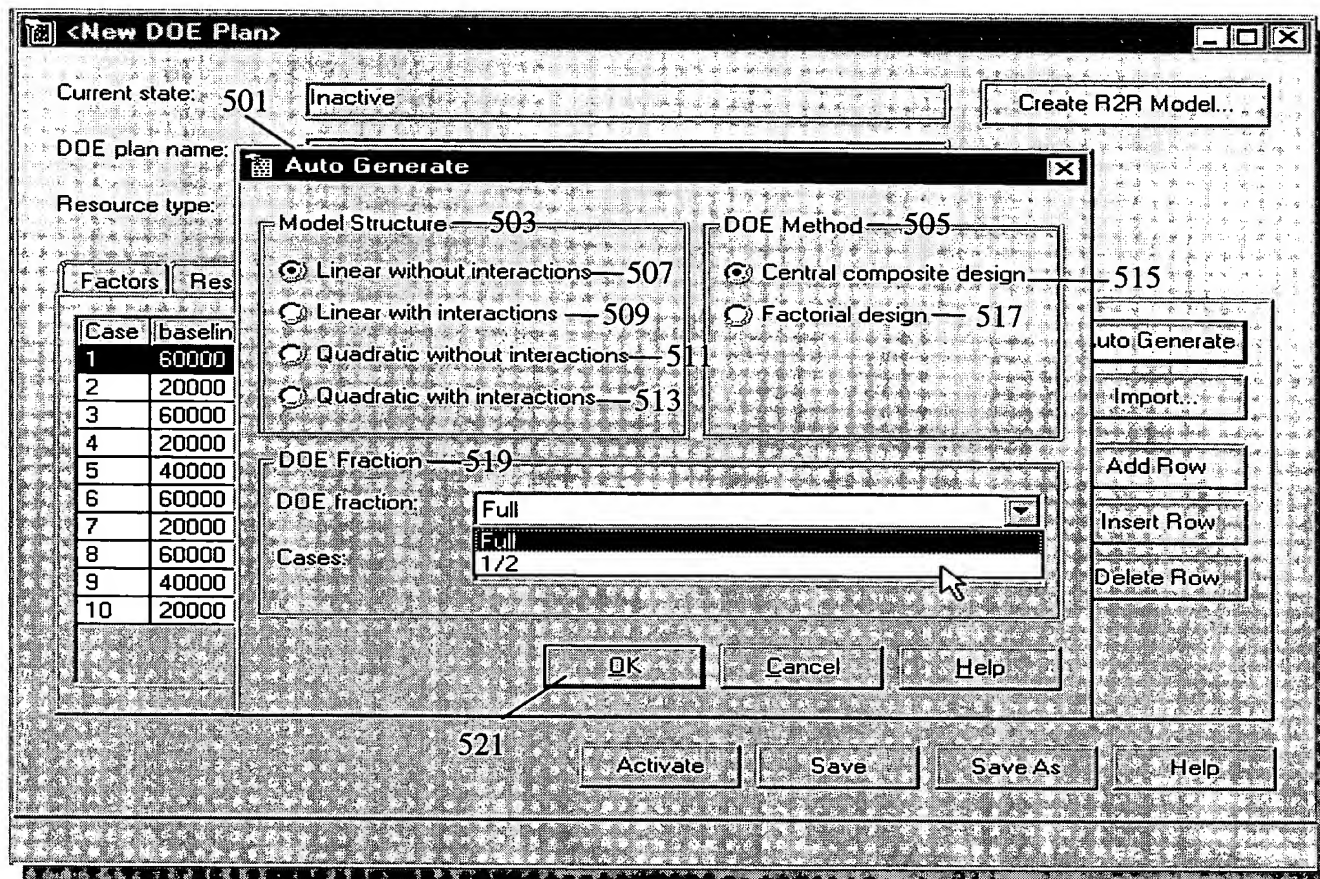


FIG. 5

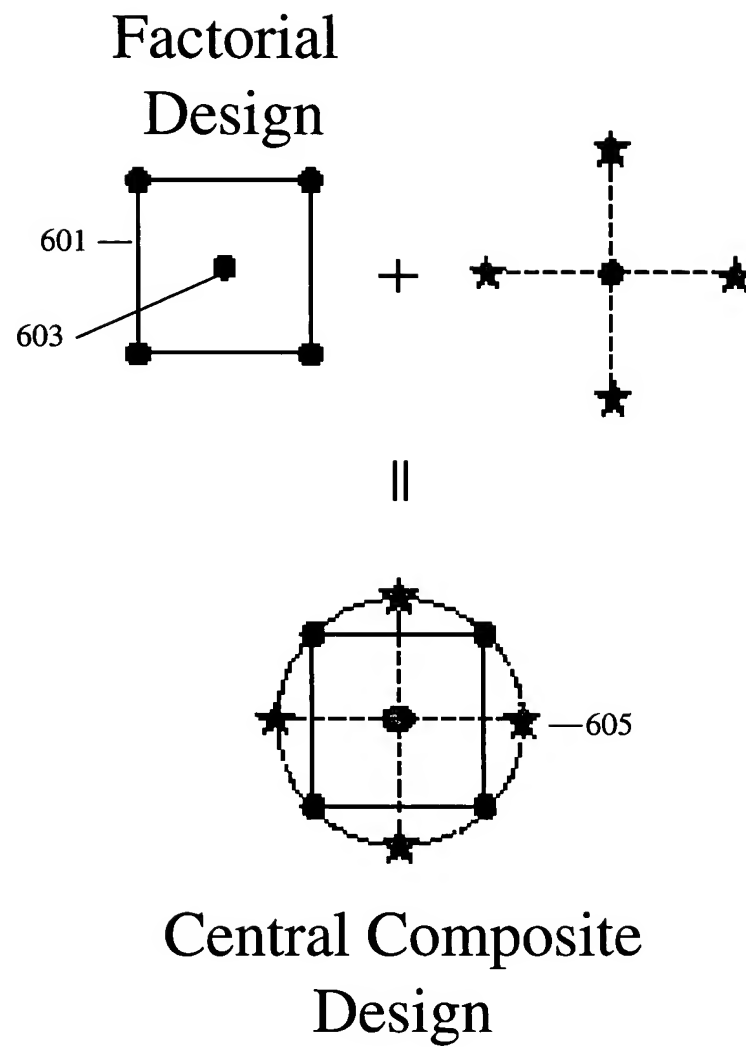


FIG. 6

<New DOE Plan>

Current state:

DOE plan name:

Resource type:

311

Factors Responses Cases Blocks Experiments

Case	baseline time	center time	edge time
1	60000	0	15000
2	20000	0	5000
3	60000	20000	15000
4	20000	0	15000
5	40000	10000	10000
6	60000	0	5000
7	20000	20000	5000
8	60000	20000	5000
9	40000	10000	10000
10	20000	20000	15000

FIG. 7

FIG. 7A

The screenshot displays the 'SA BPSG' application window. At the top, the title bar reads 'SA BPSG'. Below it, there are three input fields: 'Current state:' with the value 'Inactive', 'DOE plan name:' with the value 'SA BPSG', and 'Resource type:' with a dropdown menu showing 'CVD PRODUCER : PE-CVD'. To the right of these fields is a button labeled 'Create R2R Model..'. Below the input fields is a tabbed interface with five tabs: 'Factors', 'Responses', 'Cases', 'Blocks' (which is selected), and 'Experiments'. The 'Blocks' tab contains a table with two columns: 'Block Number' and 'Block Description'. The table has two rows: row 1 with '1' and 'low kit', and row 2 with '2' and 'high kit'. To the right of the table are three buttons: 'New..', 'Open..', and 'Delete..'. At the bottom of the window, there is a toolbar with four buttons: 'Activate', 'Save', 'Save As', and 'Help'. A small icon is visible on the left side of the toolbar.

SA BPSG

Current state: Inactive

DOE plan name: SA BPSG

Resource type: CVD PRODUCER : PE-CVD

Create R2R Model..

Factors Responses Cases Blocks Experiments

Block Number	Block Description
1	low kit
2	high kit

New..

Open..

Delete..

Activate Save Save As Help

FIG. 7B

PE TEOS

Current state:

DOE plan name:

Resource type:

Factors Responses Cases Blocks Experiments

Experiment	Block	Case	rfpower_1	rfpower_2	spacing_1	spacing_2	steptime
1	1	1	700	700	250	250	55000
2	1	2	650	650	245	245	55000
3	1	3	700	700	245	245	55000
4	1	4	700	700	250	250	55000
5	1	5	650	650	250	250	55000
6	1	6	650	650	255	255	55000
7	1	7	750	750	245	245	55000
8	1	8	750	750	255	255	55000
9	1	9	750	750	250	250	55000
10	1	10	700	700	255	255	55000
11	2	1	700	700	250	250	55000

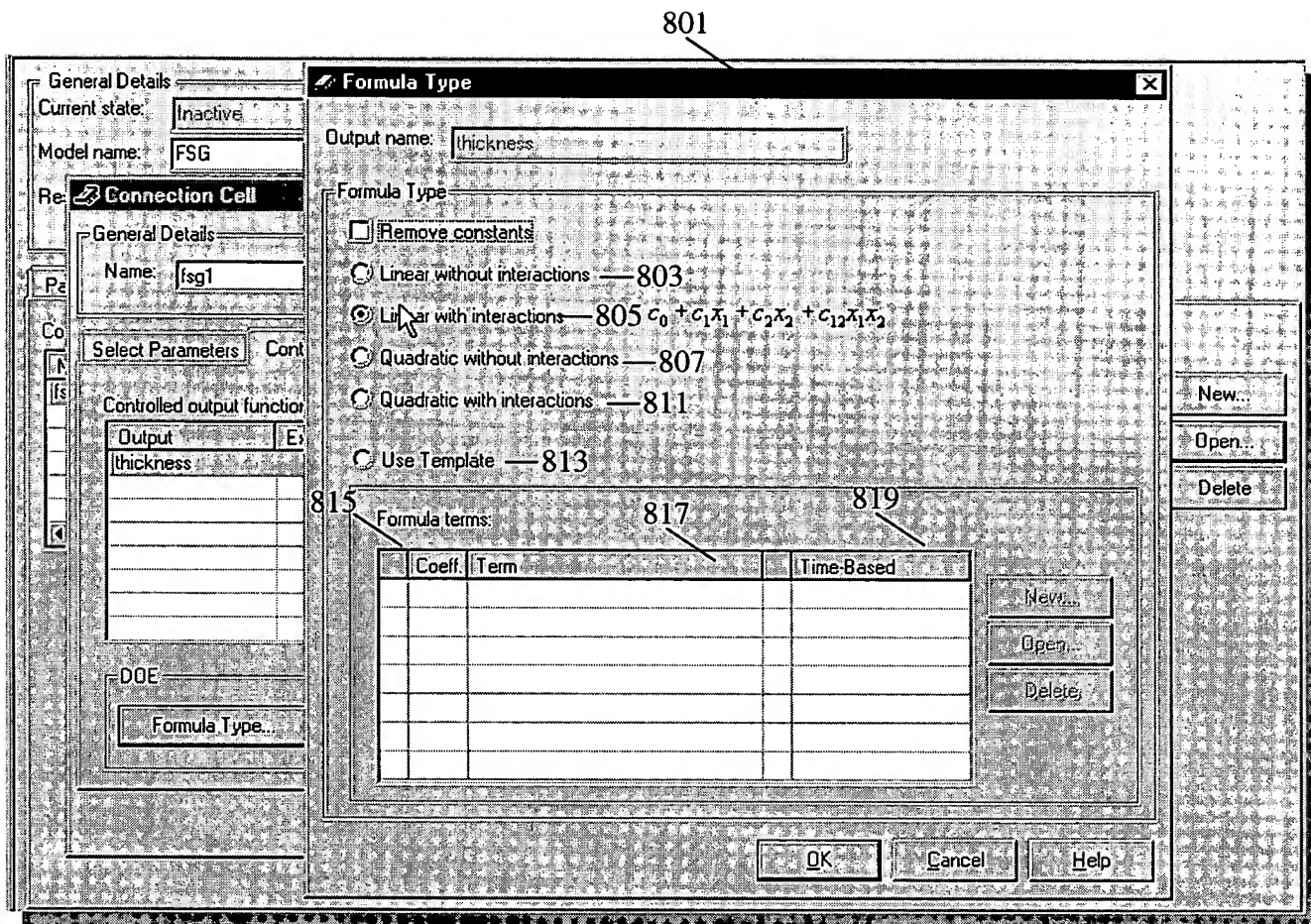


FIG. 8

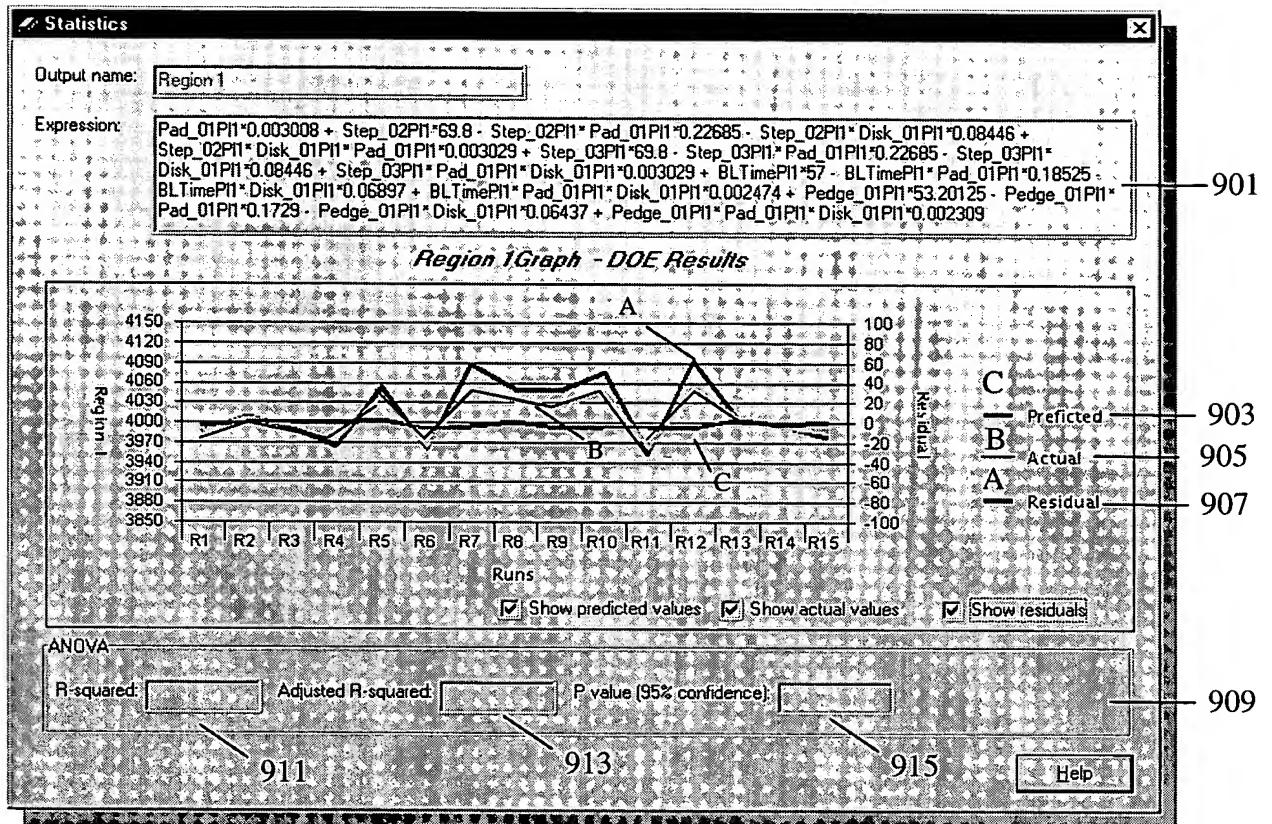


FIG. 9

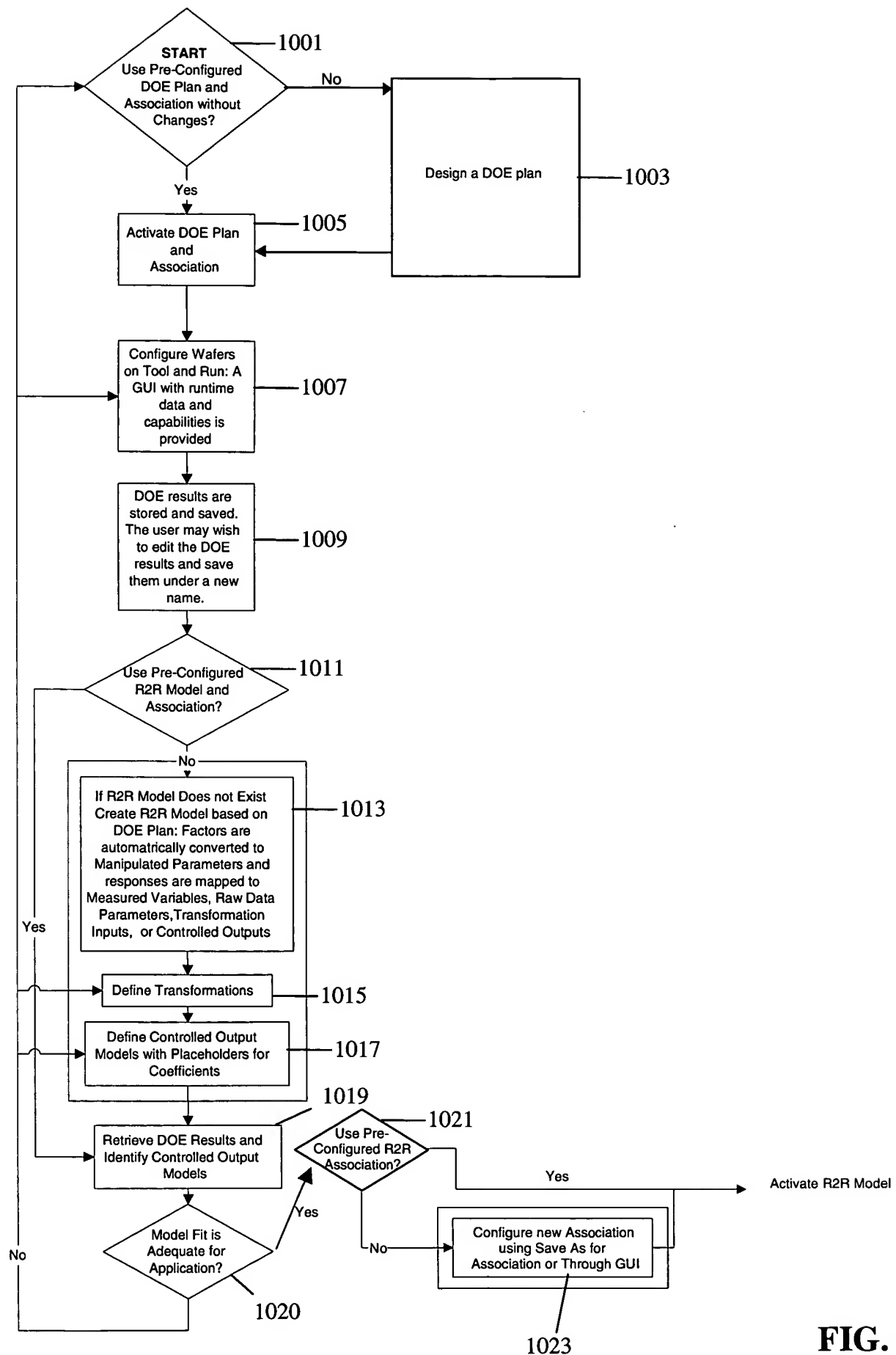


FIG. 10

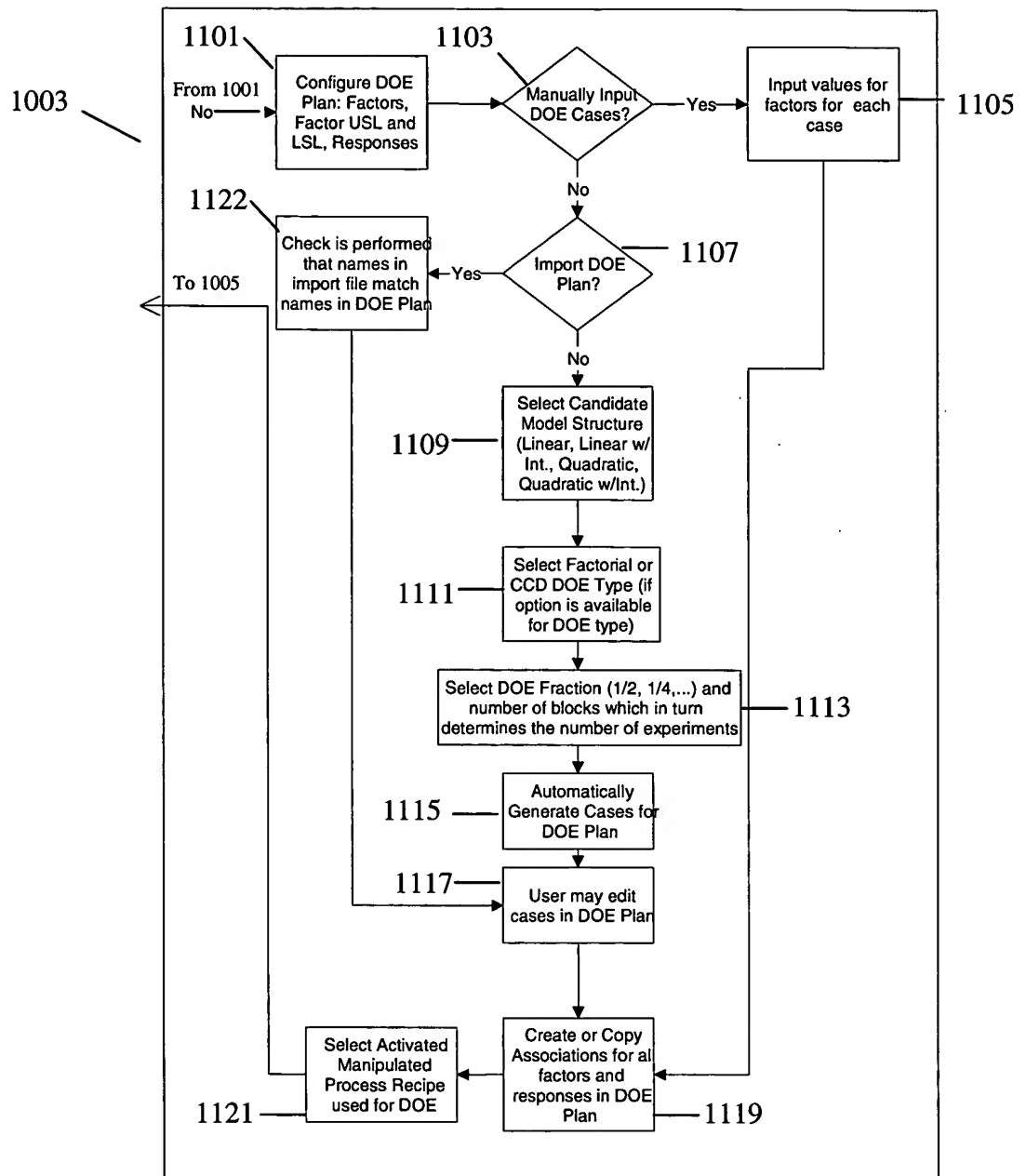


FIG. 11

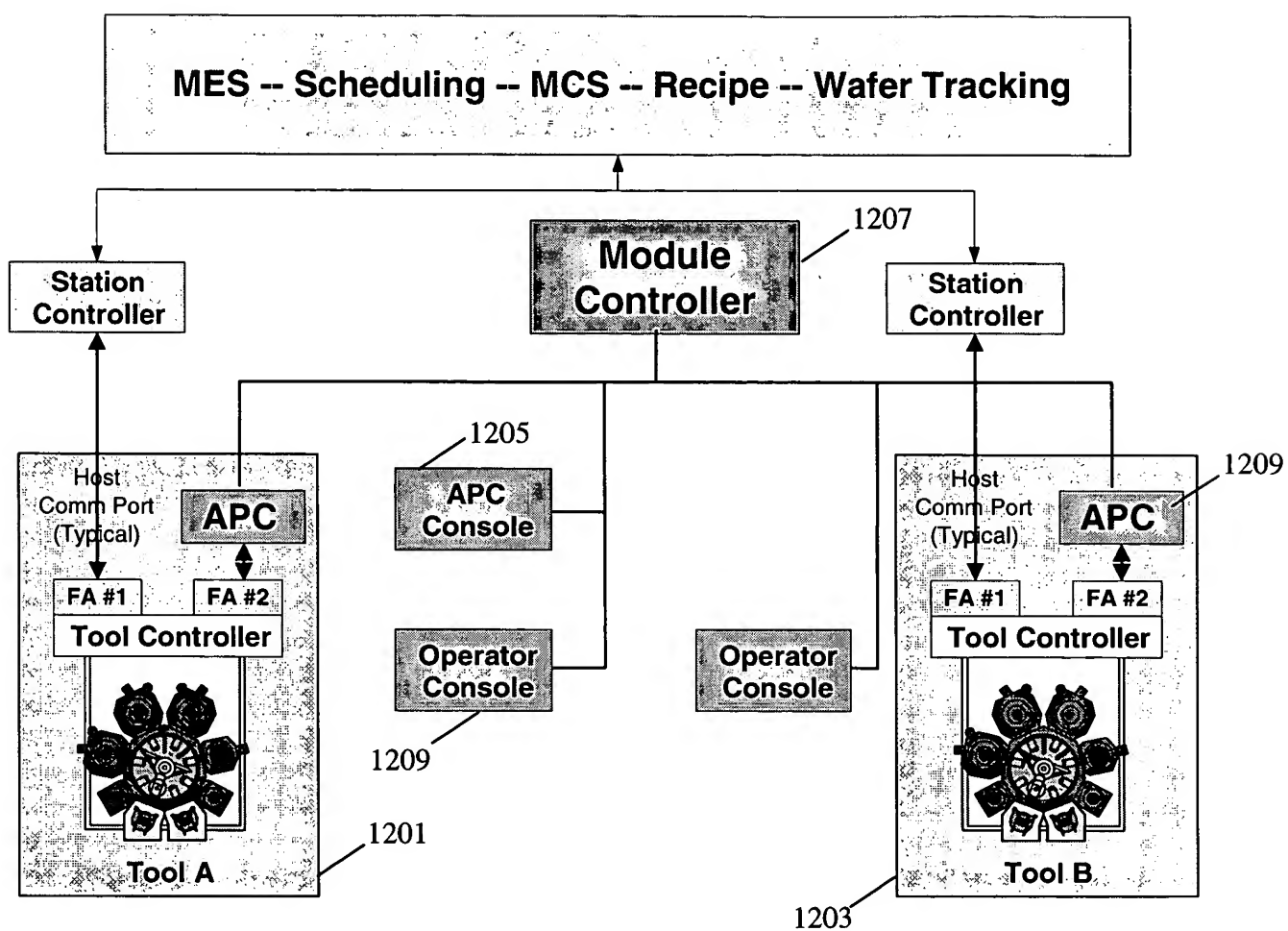


FIG. 12

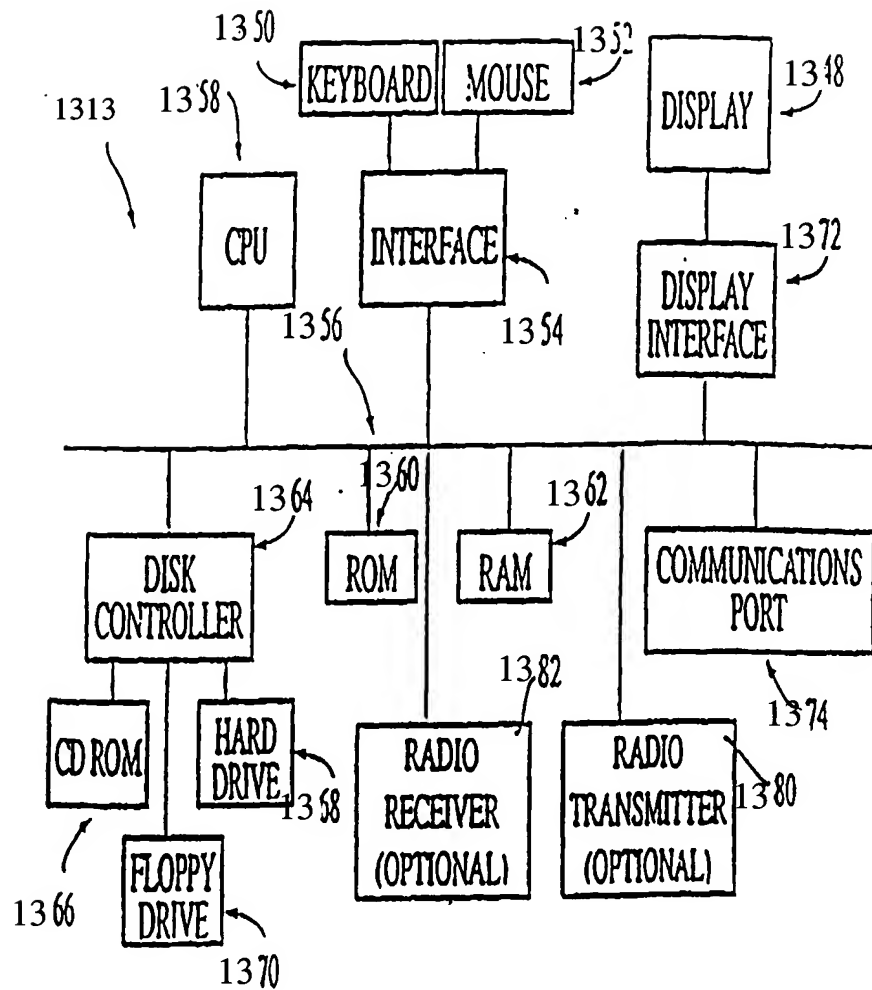


FIG.13

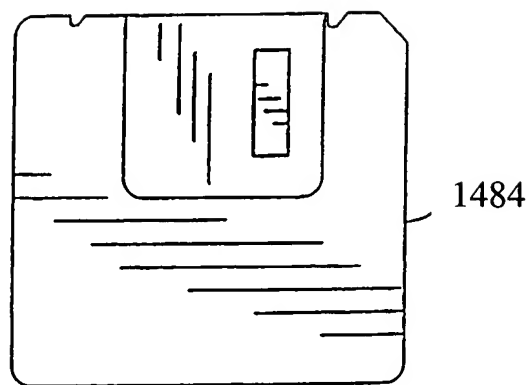


FIG. 14